

PATENT  
Docket No. 456962000200

## CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Assistant Commissioner for Patents, Washington, D.C. 20231, on 9/5, 2000.

  
Kerry Keenan

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Youhao XU et al.

Serial No.: 09/553,990

Filing Date: April 20, 2000

For: A RISER REACTOR FOR FLUIDIZED  
CATALYTIC CONVERSION

Examiner: Unassigned

Group Art Unit: 1764

PROSECUTION BY ASSIGNEE AND POWER OF ATTORNEY  
UNDER 37 C.F.R. § 3.71Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

China Petrochemical, Corporation and Research Institute of Petroleum Processing,  
Sinopec, the assignees of the entire right, title and interest in this patent application, under 37  
C.F.R. § 3.71 hereby appoints:

Laurie A. Axford (Reg No. 35,053)  
Joseph Barrera (Reg No. 44,522)  
Shantanu Basu (Reg No. 43,318)  
Frank P. Becking (Reg No. 42,309)  
Kimberly A. Bolin (Reg No. 44,546)  
Barry E. Bretschneider (Reg No. 28,055)  
Nicholas Buffinger (Reg No. 39,124)  
Mark R. Carter (Reg No. 39,131)  
Peng Chen (Reg No. 43,543)  
Thomas E. Ciotti (Reg No. 21,013)

Sanjay S. Bagade (Reg No. 42,280)  
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Richard R. Batt (Reg No. 43,485)  
Vincent J. Belusko (Reg No. 30,820)  
Timothy J. Bortree (Reg No. 43,506)  
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Jingming Cai (Reg No. P-44,579)  
Robert K. Cerpa (Reg No. 39,933)  
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E. Thomas Wheelock (Reg No. 28,825)  
Thomas G. Wiseman (Reg No. 35,046)  
David T. Yang (Reg No. 44,415)  
Karen R. Zachow (Reg No. P-46,332)

all of Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304-1018, telephone (650) 813-5600, to prosecute this application and transact all matters in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorneys in accordance with the provisions of 37 C.F.R. § 3.71 provided that if any one of said attorneys or agents ceases being affiliated with the law firm of Morrison & Foerster as partner, employee or of counsel, such attorney's or agent's appointment as attorney or agent and all powers derived therefrom shall terminate on the date such attorney or agent ceases being so affiliated.

Please direct all written communications relative to this application to:

E. Thomas Wheelock  
Morrison & Foerster LLP  
755 Page Mill Road  
Palo Alto, California 94304-1018

Please direct all telephone communications to E. Thomas Wheelock at (650) 813-5739.

China Petrochemical Corporation  
a Chinese corporation

Dated: Aug. 17, 2000

Hong Dingyi

Name: Mr. Hong Dingyi  
Title: Director of Technology Development Center  
of China Petrochemical Corporation  
Address: 6A Huixin Dong Street, Chaoyang  
District, Beijing, 100029, China

Research Institute of Petroleum Processing, Sinopec  
a Chinese corporation

Dated: \_\_\_\_\_, 2000

Name: Mr. Jing Zhenhua  
Title: Vice President of Research Institute of  
Petroleum Processing, Sinopec  
Address: 18 Xueyuan Road, Haidian District,  
Beijing, 100083, China



PATENT  
Docket No. 456962000200  
Client Ref. FPCH00160004US

### DECLARATION FOR UTILITY PATENT APPLICATION

AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residences, post office addresses, and citizenships are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled: A RISER REACTOR FOR FLUIDIZED CATALYTIC CONVERSION, the specification of which is attached hereto unless the following box is checked:

☒ was filed on April 20, 2000 as United States Application Serial No. 09/553,990 or PCT International Application No.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing (day/month/year)	Priority Claimed?
99105903.4	CN	April 23, 1999	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

We hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date
*	

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to

patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status
*		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Aug. 17, 2000 Xu Youhao

Date: \_\_\_\_\_

Name: Youhao XU  
 Residence: 18 Xueyuan Road, Haidian District, Beijing, 100083, China  
 Citizenship: China  
 Post Office Address: 18 Xueyuan Road, Haidian District, Beijing, 100083, China

Aug. 17, 2000 Yu Bende

Date: \_\_\_\_\_

Name: Bende YU  
 Residence: 18 Xueyuan Road, Haidian District, Beijing, 100083, China  
 Citizenship: China  
 Post Office Address: 18 Xueyuan Road, Haidian District, Beijing, 100083, China

Aug. 17, 2000 Zhigang Zhang

Date: \_\_\_\_\_

Name: Zhigang ZHANG  
 Residence: 18 Xueyuan Road, Haidian District, Beijing, 100083, China  
 Citizenship: China  
 Post Office Address: 18 Xueyuan Road, Haidian District, Beijing, 100083, China

Aug. 17, 2000 Jun Long

Date: \_\_\_\_\_

Name: Jun LONG  
 Residence: 18 Xueyuan Road, Haidian District, Beijing, 100083, China  
 Citizenship: China  
 Post Office Address: 18 Xueyuan Road, Haidian District, Beijing, 100083, China

Aug. 17, 2000 Fukang Jiang

Date: \_\_\_\_\_

Name: Fukang JIANG  
 Residence: 18 Xueyuan Road, Haidian District, Beijing, 100083, China  
 Citizenship: China  
 Post Office Address: 18 Xueyuan Road, Haidian District, Beijing, 100083, China

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Docket No. 456962000200

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Kerry Kechan

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China Petrochemical Corporation  
a Chinese corporation

Dated: \_\_\_\_\_, 2000

\_\_\_\_\_  
Name: Mr. Hong Dingyi  
Title: Director of Technology Development Center  
of China Petrochemical Corporation  
Address: 6A Huixin Dong Street, Chaoyang  
District, Beijing, 100029, China

Research Institute of Petroleum Processing, Sinopec  
a Chinese corporation

Dated: Aug. 17, 2000

Jing Zhenhua  
\_\_\_\_\_  
Name: Mr. Jing Zhenhua  
Title: Vice President of Research Institute of  
Petroleum Processing, Sinopec  
Address: 18 Xueyuan Road, Haidian District,  
Beijing, 100083, China



## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Youhao Xu, Bende Yu, Zhigang Zhang, Jun Long, and Fukang Jiang (hereinafter referred to as the assignors), residing at 18 Xueyuan Road, Haidian District, Beijing, 100083, China, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in A RISER REACTOR FOR FLUIDIZED CATALYTIC CONVERSION, set forth in an application for Letters Patent of the United States, bearing Serial No. 09/553,990 and filed on April 20, 2000; and

WHEREAS, China Petrochemical Corporation and Research Institute of Petroleum Processing, Sinopec, corporations duly organized under and pursuant to the laws of China and having their principal place of business at 6A Huixin Dong Street, Chaoyang District, Beijing, 100029, China; and 18 Xueyuan Road, Haidian District, Beijing, 100083, China (hereinafter referred to as the assignees) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignees, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignees, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignees its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignees, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignees, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignees, its successors, legal representatives and assigns, but at the cost and expense of said assignees, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignees as the assignees of said inventions and the Letters Patent to be issued thereon for the sole use of said assignees, its successors, legal representatives and assigns.

Attorney Docket No.: 456962000200

Aug. 17, 2000  
DateYouhao Xu  
Youhao XUAug. 17, 2000  
DateYu Bende  
Bende YUAug. 17, 2000  
DateZhigang Zhang  
Zhigang ZHANGAug. 17, 2000  
DateJin Long  
Jin LONGAug. 17, 2000  
DateJiang Fukang  
Fukang JIANG